

"PATENT".

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

88888888

APPLICANT:

Kao, Sun-Chueb

EXAMINER:

Lee, Rip A.

SERIAL NO.:

09/715,775

GROUP ART UNIT:

1713

FILED:

11/17/2000

ATTY. DOCKET NO.:

2000U034.US

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FOR: Method for Preparing a Catalyst

Composition and its use in a

Polymerization Process

DATE:

September 9, 2002

**Box Non-Fee Amendment** 

Commissioner for Patents Washington, D.C. 20231

**AMENDMENT** 

Sir:

Applicant respectfully requests entry of the amendments and consideration of the remarks to follow pursuant to the request of the Examiner in an action dated August 12, 2002.

## IN THE CLAIMS

Cancel Claims 1-22. Add new Claims 23-53 as follows:

23.

(New) A process for polymerizing olefin(s) comprising the steps of:

(a) preparing a catalyst composition by the steps of combining the following components:

(i) first combining a catalyst compound and supported alumoxane or aluminum alkyl activators;

(ii) followed by combining an ionizing activator to form the catalyst composition;

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162.00 CH





| # | 1713 |
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| <del></del>                                                                                                                                                                                                                                                                                                      |                                                        |                                                                                                   | · · · · · · · · · · · · · · · · · · · |                 |                                                                |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------|-----------------|----------------------------------------------------------------|--|--|--|--|
| En.                                                                                                                                                                                                                                                                                                              |                                                        | Application Number                                                                                | 09/715,775                            |                 | ;                                                              |  |  |  |  |
| ENT & TRA                                                                                                                                                                                                                                                                                                        | RANSMITTAL                                             | Filing Date                                                                                       | N v mber 17, 2000                     |                 | TC PT                                                          |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                  | FORM                                                   | First Named Inventor                                                                              | Kao, et al.                           |                 | - B B                                                          |  |  |  |  |
| (to be                                                                                                                                                                                                                                                                                                           | used for all correspondence after initial filing)      | Group Art Unit                                                                                    | 1713                                  |                 | 3 7 4                                                          |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                  |                                                        | Examiner Name                                                                                     | Unassigned                            |                 |                                                                |  |  |  |  |
| Total Nu                                                                                                                                                                                                                                                                                                         | mber of Pages in This Submission 11                    | Attorney Docket Number                                                                            | 2000U034.US                           |                 |                                                                |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                  |                                                        |                                                                                                   |                                       |                 |                                                                |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                  |                                                        | ENCLOSURES (check all 1                                                                           | that apply)                           | T               |                                                                |  |  |  |  |
| ⊠<br>Res                                                                                                                                                                                                                                                                                                         | Fee Transmittal Form Preliminary Amendment / Response  | Assignment Pape (for an Application  Drawing(s)                                                   |                                       |                 | After Allowance Communication to Group Appeal Communication to |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                  | ☐ After Final ☐ Affidavits/declaration(s)              | ☐ Licensing-related                                                                               | Papers                                |                 | Board of Appeals and<br>Interferences                          |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                  | Extension of Time Request  Express Abandonment Request | Petition Routing Slip (PTO/SB/69) and Accompanying Petition  To Convert a Provisional Application |                                       |                 | Appeal Communication to Group                                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                  | Information Disclosure Statement                       |                                                                                                   |                                       |                 | (Appeal Notice, Brief, Reply Brief)  Proprietary Information   |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                  | Certified Copy of Priority Documents)                  | Power of Attorney Change of Corres Address                                                        |                                       |                 | Status Letter Additional Enclosure(s)                          |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                  | Response to Missing Part/<br>Incomplete Application    | ☐ Terminal Disclaim                                                                               | er «                                  |                 | (please identify below):                                       |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                  | ☐ Response to Missing Parts                            | Request for Refund                                                                                |                                       | Return Postcard |                                                                |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                  | SIGNAT                                                 | REMARKS  OURLE OF APPLIÇANT, ATTO                                                                 | DRNEY, OR AGE                         | NT              |                                                                |  |  |  |  |
| Firm                                                                                                                                                                                                                                                                                                             |                                                        | X /                                                                                               | Registration N                        |                 | · · · · · · · · · · · · · · · · · · ·                          |  |  |  |  |
| <i>Or</i><br>Individu                                                                                                                                                                                                                                                                                            | Kevin M. Faulkner                                      |                                                                                                   |                                       |                 | 45,427                                                         |  |  |  |  |
| Signatu                                                                                                                                                                                                                                                                                                          | re // /                                                | NChu                                                                                              |                                       |                 | and the same against                                           |  |  |  |  |
| Date                                                                                                                                                                                                                                                                                                             | September 9, 2002                                      |                                                                                                   |                                       |                 | _                                                              |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                  |                                                        | CERTIFICATE OF MAI                                                                                | LING                                  |                 |                                                                |  |  |  |  |
| I hereby certify having information and a reasonable basis for belief that this correspondence will be deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Box Non-Fee Amendment, Washington, D.C. 20231 on this date:  September 9, 2002 |                                                        |                                                                                                   |                                       |                 |                                                                |  |  |  |  |
| Typed or printed name  Tammy L. Hodges                                                                                                                                                                                                                                                                           |                                                        |                                                                                                   |                                       |                 |                                                                |  |  |  |  |
| Signature Date September 9, 2002                                                                                                                                                                                                                                                                                 |                                                        |                                                                                                   |                                       |                 |                                                                |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                  |                                                        | V                                                                                                 |                                       |                 |                                                                |  |  |  |  |

|                                                                                                                                                        | ·                                                                                 | -                                           |                  | nplete if Kn                           | wn                         |                |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------|------------------|----------------------------------------|----------------------------|----------------|--|--|--|--|
| fęe transmital                                                                                                                                         |                                                                                   | Application Numb r                          |                  | .9/715,775                             |                            |                |  |  |  |  |
|                                                                                                                                                        |                                                                                   | Filing Date                                 |                  | 11/17/2000                             |                            |                |  |  |  |  |
| Note: Effective November 10, 1998. Patent fees are subject to annual revision.                                                                         |                                                                                   | Inventors                                   |                  | Kao, et al.                            | <u> </u>                   |                |  |  |  |  |
|                                                                                                                                                        |                                                                                   | Art Unit                                    |                  | 1713                                   | SEP 1 0 2000 5             |                |  |  |  |  |
|                                                                                                                                                        | Examin                                                                            | er Nam                                      | <del>-</del>     | Lee, Rip A.                            | 12.                        |                |  |  |  |  |
| Total Amount of Payment (\$) 162.00                                                                                                                    | Attorne                                                                           | y Dock ti                                   |                  | 2000U034.US                            |                            | - Kit          |  |  |  |  |
| METHOD OF PAYMENT (check one)                                                                                                                          |                                                                                   |                                             |                  | E CALCULATION (                        | continued)                 | ACCO           |  |  |  |  |
| The Commissioner is hereby authorized to charge                                                                                                        | 3. AD                                                                             |                                             |                  |                                        |                            |                |  |  |  |  |
| indicated fees and credit any over payment to:                                                                                                         | Fee                                                                               |                                             |                  |                                        |                            |                |  |  |  |  |
| Deposit Account Number: 50-0589                                                                                                                        | Code                                                                              | Fee \$                                      |                  | •                                      | PAID                       |                |  |  |  |  |
| Deposit Account Name: Univation Technologies, LLC                                                                                                      | 105                                                                               | 130                                         | Surcha           | rge - late filing fee o                | or oath                    | ļ              |  |  |  |  |
|                                                                                                                                                        | 127                                                                               | 50                                          | Surcha           | rge – late provisiona                  | I filing or cover sheet.   | £              |  |  |  |  |
| <ul> <li>☐ Charge Any Additional Fee Required Under 37 CFR</li> <li>1.16 and 1.17</li> <li>☐ Charge the Issue Fee Set in 37 CFR 1.18 at the</li> </ul> | 139                                                                               | 130                                         | Non-E            | nglish specification                   |                            | <u> </u>       |  |  |  |  |
| Mailing of the Notice of Allowance                                                                                                                     | 147                                                                               | 2,520                                       | For filir        | For filing a request for reexamination |                            |                |  |  |  |  |
| FEE CALCULATION  1. FILING FEE                                                                                                                         | 112                                                                               | 920*                                        |                  | sting publication of S                 | IR prior to Examiner       | HGINALLY FILED |  |  |  |  |
| Large Entity Fee Description Fee Paid                                                                                                                  |                                                                                   |                                             | action           |                                        |                            | E M            |  |  |  |  |
| Fee Code Fee \$ 101 740 Utility filing fee                                                                                                             | 113                                                                               | 1,840*                                      | Reques<br>action | sting publication of S                 | ₩ ₩<br>———                 |                |  |  |  |  |
| 106 330 Design filing fee                                                                                                                              | 115                                                                               | 110                                         | Extens           | ion for reply within fir               | st month                   |                |  |  |  |  |
| 107 510 Plant filing fee  108 740 Reissue filing fee                                                                                                   | 116                                                                               | 400 Extension for reply within second month |                  |                                        | 13                         |                |  |  |  |  |
| 114 160 Provisional filing fee                                                                                                                         | 117                                                                               | 920 Extension for reply within third month  |                  |                                        |                            | 3              |  |  |  |  |
| SUBTOTAL (1)                                                                                                                                           | 118                                                                               | 1,440                                       | Extensi          | on for reply within fo                 | urth month                 | 13             |  |  |  |  |
| 2. CLAIMS Extra Fee from below Fee Paid                                                                                                                | 128                                                                               | 1,960                                       | Extensi          | on for reply within fift               | th month                   |                |  |  |  |  |
| Total Claims - 20 = 9 x 18 = 162.00                                                                                                                    | 119                                                                               | 310                                         | Notice (         | of Appeal                              | urth month                 |                |  |  |  |  |
| Independent .00                                                                                                                                        | 120                                                                               | 320                                         | Filing a         | brief in support of ar                 | عر<br>n appeal             |                |  |  |  |  |
| Claims                                                                                                                                                 | 121                                                                               | 280                                         | Reques           | t for oral hearing                     |                            |                |  |  |  |  |
| Mulapic Dependent Glain's x                                                                                                                            | 138                                                                               | 1,510                                       | Petition         | ļ <del></del>                          |                            |                |  |  |  |  |
| Large Entity Fee Code Fee\$ Fee Description                                                                                                            | 140                                                                               | 110                                         | Petition         | to revive - unavoida                   | ble                        |                |  |  |  |  |
| 103 18 Claims in excess of 20                                                                                                                          | 141                                                                               | 1,280                                       | Petition         | to revive - unintention                | onal                       |                |  |  |  |  |
| 102 84 Independent claims in excess of 3                                                                                                               | 142                                                                               | 1,280                                       | Utility is       | sue fee (or reissue)                   |                            |                |  |  |  |  |
| 104 280 Multiple dependent claim                                                                                                                       | 143                                                                               | 460                                         | Design           | issue fee                              |                            |                |  |  |  |  |
| 109 84 Reissue independent claims over original                                                                                                        | 144                                                                               | 620                                         | Plant is:        | sue fee                                | ļ ——— I                    |                |  |  |  |  |
| patent                                                                                                                                                 | 122                                                                               | 130                                         | Petition         | to the Commissione                     | r                          |                |  |  |  |  |
| 110 18 Reissue claims in excess of 20 and over original patent                                                                                         | 123                                                                               | 50                                          | Petition         | s related to provision                 | al applications            |                |  |  |  |  |
| SUBTOTAL (2) 162.00                                                                                                                                    | 126                                                                               | 180                                         | Submis           | sion of information Di                 | isclosure Stmt.            |                |  |  |  |  |
|                                                                                                                                                        | 581 40 Recording each patent assignment per property (times number of properties) |                                             |                  |                                        |                            |                |  |  |  |  |
|                                                                                                                                                        | 148                                                                               | 110                                         | Statutor         | y disclaimer                           |                            |                |  |  |  |  |
| Other fee (specify)                                                                                                                                    |                                                                                   |                                             |                  |                                        |                            |                |  |  |  |  |
| * Reduced by Basic Filing Fee Paid                                                                                                                     |                                                                                   |                                             |                  |                                        |                            |                |  |  |  |  |
| SUBTOTAL (3)                                                                                                                                           |                                                                                   |                                             |                  |                                        |                            |                |  |  |  |  |
| Typed or Printed Name Keyin M. Faulkner                                                                                                                | 11                                                                                | Reg. I                                      | Vo.              | 45,427                                 |                            | <u>(i</u>      |  |  |  |  |
| Signature Au M                                                                                                                                         | Mr                                                                                | Date                                        | Sep              | tember 9, 2002                         | Deposit Account<br>User ID |                |  |  |  |  |
| <i>i</i>                                                                                                                                               | •                                                                                 | •                                           |                  |                                        |                            | •              |  |  |  |  |

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